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### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Range Street Str Serial No.: Confirmation No.: 7416

Filed: For:

JAN 1 1 2002

PAPILLOMAVIRUS E2 PROTEIN

### INFORMATION DISCLOSURE STATEMENT

**Assistant Commissioner for Patents** Washington D.C. 20231

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 et. seq., the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the 1449 forms, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Applicant also wishes to bring the Examiner's attention to the following pending U.S. Applications, as well as any prior art and any provisional U.S. patent applications referenced therein. Copies of the below-listed pending U.S. Patent Applications are provided herewith.

### **Information Disclosure Statement**

Applicant(s): Brian J. STOCKMAN

Serial No.: 09/829,872 Confirmation No.: 7416 Filed: 10 April 2001

For: NUCLEAR MAGNETIC RESONANCE METHODS FOR IDENTIFYING SITES IN PAPILLOMAVIRUS E2

PROTEIN

### List of Pending Non-Published U.S. Patent Applications

			Serial No. of Provisional
Applicant(s)	Application	Filing	Application to which listed
	Number	Date	Application claims priority
Stockman et al.	09/677,107	09/29/00	60/156,818, filed 9/29/99;
			60/161,682, filed 10/26/99;
			60/192,685, filed 3/28/00
Stockman et al.	unassigned	11/19/01	60/156,818, filed 9/29/99;
	(CIP of		60/161,682, filed 10/26/99;
	09/677,107)		60/192,685, filed 3/28/00

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

### **Information Disclosure Statement**

Applicant(s): Brian J. STOCKMAN

Serial No.: 09/829,872 Confirmation No.: 7416 Filed: 10 April 2001

For: NUCLEAR MAGNETIC RESONANCE METHODS FOR IDENTIFYING SITES IN PAPILLOMAVIRUS E2

PROTEIN

The Examiner is invited to contact Applicant's Representatives at the belowlisted telephone number, if they can be of any assistance during prosecution of the present application.

#### CERTIFICATE UNDER 37 C.F.R. 1.8:

The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this 28th day of December, 2001.

Ann M. Mueting

December 28, 2001

Date

Respectfully submitted for

Brian J. Stockman

By

Mueting, Raasch & Gebhardt, P.A.

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By: ( MM / / / Ann M. Mueting

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### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application (s):

Brian J. STOCKMAN

Group Art Unit: 1645

Serial No.:

Confirmation No.: 7416

09/829,872

Examiner:

Unknown

Filed:

10 April 2001

Docket No.:

6311.N (M&R 268.6311 0101)

Title:

NUCLEAR MAGNETIC RESONANCE METHODS FOR IDENTIFYING SITES IN

PAPILLOMAVIRUS E2 PROTEIN

Assistant Commissioner for Patents Washington, D.C. 20231

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

<u>X</u>	An itemized return postcard.
	A Petition for Extension of Time for month(s) and a check in the amount of \$ for the required fee.
X	An Information Disclosure Statement (3 pgs); copies of 2 applications; 1449 forms (11 pgs); and copies
	of 129 documents cited on the 1449 forms.
	A check in the amount of \$, for
	A certified copy of aapplication, Serial No, filed, the right of priority of which is
	claimed under 35 U.S.C. §119.
	Other:
_	Amendment No Additional fee is required. The fee has been calculated as shown:

Fee Calculation for Claims Pending After Amendment					
	Pending Claims after Amendment (1)	Claims Paid for Earlier (2)	Number of Additional Claims (1-2)	Cost per Additional Claim	Additional Fees Required
Total Claims				x \$18 =	
Independent Claims				x \$84 =	
One or More New Multiple Dependent Claims Presented? If Yes, Add \$280 Here →					
Total Additional Claim Fees Required					

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

<u>CERTIFICATE UNDER 37 C.F.R. §1.8</u>: The undersigned hereby certifies that this Transmittal Letter and the paper(s), as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this 28<sup>th</sup> day of December, 2001.

MUETING, RAASCH & GEBHARDT, P.A.

Customer Number: 26813

Ann M. Mueting

Reg. No.: 33,977

Direct Dial: 612-305-1217 Facsimile: 612-305-1228

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.8)

OMB No. 0651-0011
Page 1 of 10

## INFORMATION DISCLOSURE F STATEMENT

Atty. Docket No.: 6311.N

Serial No.: 09/829,872

Applicant(s): Brian J. STOCKMAN

Confirmation No.: 7416

Filing Date: 10 April 2001

Group: 1645

**U.S. PATENT DOCUMENTS** 

Initial Of	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4,719,582	01/12/88	Ishida et al.			
	5,270,163	12/14/93	Gold et al.			
	5,306,619	04/26/94	Edwards et al.			TECH
	5,668,734	09/16/97	Krishna et al.			JAN
·	5,698,401	12/16/97	Fesik et al.			1 Ef
	5,804,390	09/08/98	Fesik et al.		,	<del></del>
	5,837,460	11/17/98	Von Feldt et al.			7002 2002
	5,856,496	01/05/99	Fagnola et al.			8
	5,891,643	04/06/99	Fesik et al.			
	5,989,827	11/23/99	Fesik et al.			
	6,043,024	03/28/00	Fesik et al.			
	6,214,561	04/10/01	Peters et al.			

### FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Trans	slation
IIIIIIII	DE 196 49 359 C1	02/12/98	Germany (with English language abstract)			Yes	X
	EP 0 592 816 A1, B1	04/20/94	EPO (with English language abstract)	-			X
	GB 2 316 941 A	03/11/98	United Kingdom				
	GB 2 321 104 A	07/15/98	United Kingdom				
	WO 91/10140	07/11/91	WIPO				
	WO 91/17428	11/14/91	WIPO				
	WO 93/00446	01/07/93	WIPO				
	WO 94/14980	07/07/94	WIPO				
	WO 96/30849	10/03/96	WIPO				

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\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OMB No. 0651-0011 Page 2 of 11

INFORMATION	Atty. Docket No	o.: 6311.N	Serial	No.: 09/829,872
DISCLOSURE STATEMENT	Applicant(s): Brian J. STOCKMAN  Filing Date: 10 April 2001		Confirmation No.: 74	
			Group	: 1645
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WO 96/30849	10/03/96	WIPO		
WO 97/00244	01/03/97	WIPO		
WO 97/18469	05/22/97	WIPO		\$ 1
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WO 98/57155	12/17/98	WIPO		7290
WO 99/09024	02/25/99	WIPO		
WO 99/17616	04/15/99	WIPO		
WO 99/36422	07/22/99	WIPO		
WO 99/43643	09/02/99	WIPO		

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Description
	Ajay et al., "Can We Learn To Distinguish between "Drug-like" and "Nondrug-like" Molecules?" <i>Journal of Medicinal Chemistry</i> , 41(18):3314-3324 (1998).
	Anderson et al., "Affinity NMR: Decoding DNA Binding," <i>Journal of Combinatorial Chemistry</i> , 1(1):69-72 (1999).
	Balaram et al., "Localization of Tyrosine at the Binding Site of Neurophysin II by Negative Nuclear Overhauser Effects," <i>Journal of the American Chemical Society</i> , 94(11): 4017-4018 (1972).
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EXAMINER	Date Considered
*Examiner: Initial if citation considered, whether or not	citation is in conformance with MPFP 600. Draw line through sitution if not in

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Atty. Docket No.: 6311.N	Serial No.: 09/829,872
Applicant(s): Brian J. STOCKMAN	Confirmation No.: 7416
Filing Date: 10 April 2001	<b>Group:</b> 1645

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Examiner Initial	Document Description
TRADE	Bemis et al., "The Properties of Known Drugs. 1. Molecular Frameworks," <i>Journal of Medicinal Chemistry</i> , 39(15):2887-2893 (1996).
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EXAMINER	Date Considered
*Examiner: Initial if citation considered, whether	or not citation is in conformance with MDED 600. Drow line through citation if and in

<sup>\*</sup>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Atty. Docket No.: 6311.N	Serial No.: 09/829,872
Applicant(s): Brian J. STOCKMAN	Confirmation No.: 7416
Filing Date: 10 April 2001	<b>Group:</b> 1645

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Examiner Inite	Document Description
& TRADE	Dalvit et al., "Identification of compounds with binding affinity to proteins via magnetization transfer from bulk water," <i>Journal of Biomolecular NMR</i> , 18(1):65-68 (2000).
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Atty. Docket No.: 6311.NSerial No.: 09/829,872Applicant(s): Brian J. STOCKMANConfirmation No.: 7416Filing Date: 10 April 2001Group: 1645

Exampler	Document Description
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	Freeman et al., "Proton-detected <sup>15</sup> N NMR spectroscopy and imaging," EPO abstract, XP 002029543, from <i>Journal of Magnetic Resonance, Series B</i> , <i>102</i> (2):183-192, 1 page (1993).
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EXAMINER	Date Considered
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Atty. Docket No.: 6311.N	Serial No.: 09/829,872
Applicant(s): Brian J. STOCKMAN	Confirmation No.: 7416
Filing Date: 10 April 2001	Group: 1645

Examine Initial IRA	Document Description
	Holmes et al., "Development of a model for classification of toxin-induced lesions using <sup>1</sup> H NMR spectroscopy of urine combined with pattern recognition," NMR in Biomedicine, 11(4-5):235-244 (1998).
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EXAMINER	Date Considered
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### INFORMATION DISCLOSURE STATEMENT

Atty. Docket No.: 6311.N Serial No.: 09/829,872

Applicant(s): Brian J. STOCKMAN Confirmation No.: 7416

Filing Date: 10 April 2001 Group: 1645

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Examiner And Initial	Document Description
TEN S TR	in et al., "Screening Mixtures by Affinity NMR," Journal of Organic Chemistry, 62(25):8930-8931 (1997).
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Serial No.: 09/829,872

Applicant(s): Brian J. STOCKMAN

Confirmation No.: 7416

Filing Date: 10 April 2001

Group: 1645

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FIRE TRADEL	Orris et al., "Resolution of Discrete and Continuous Molecular Size Distributions by Means of Diffusion-Ordered 2D NMR Spectroscopy," Journal of the American Chemical Society, 115(10):4291-4299 (1993).
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**EXAMINER** 

**Date Considered** 

<sup>\*</sup>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Group: 1645** 

### **INFORMATION DISCLOSURE STATEMENT**

Atty. Docket No.: 6311.N Serial No.: 09/829,872 Applicant(s): Brian J. STOCKMAN **Confirmation No.:** 7416 Filing Date: 10 April 2001

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THE THOUSE	hapiro et al., "High resolution NMR for screening ligand/protein binding," Current Opinion in Drug Discovery & Development, 2(4):396-400 (1999).	
	Shuker, "Discovering High-Affinity Ligands for Proteins: SAR by NMR," <i>Science</i> , 274(5292):1531-1534 (1996).	
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<sup>\*</sup>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

### INFORMATION DISCLOSURE STATEMENT

Atty. Docket No.: 6311.N	Serial No.: 09/829,872	
Applicant(s): Brian J. STOCKMAN	Confirmation No.: 7416	
Filing Date: 10 April 2001	<b>Group:</b> 1645	

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